

PATENT CLAIMS:

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1. ~~Motor vehicle which has a front-mounted engine (8) and at least one forward-~~
situated air intake (6) and is provided with a tubular chassis element (2) running in the
5 longitudinal direction of the vehicle, **characterised** in that between the air intake (6)
and the chassis element (2) there is a guide arrangement (11) for leading air into and
through the chassis element past at least one major vehicle component (19) arranged
inside the chassis element, and that the chassis element (2) downstream from that
major vehicle component (19) is provided with at least one air outlet (12).
- 10 2. Motor vehicle according to claim 1, **characterised** in that the engine (8) is
arranged forward of the chassis element (2) and that the guide arrangement (11)
surrounds the engine and is connected forwards to at least one air intake (6) and
rearwards to the chassis element (2).
- 15 3. Motor vehicle according to claim 1 or 2, **characterised** in that there is inside the
chassis element (2) a fan arrangement (30) for influencing the air flow through the
chassis element.
- 20 4. Motor vehicle according to claim 3, **characterised** in that the fan arrangement (30)
is situated in the rear of the chassis element.
5. Motor vehicle according to any one of claims 1-4, **characterised** in that the chassis
element (2) is provided with an air outlet (12) arranged in a rear endplate.
- 25 6. Motor vehicle according to any one of claims 1-5, **characterised** in that at least
one major component (19) of the vehicle's driveline, advantageously at least the
vehicle's gearbox, is situated inside the chassis element (2).
- 30 7. Motor vehicle according to claim 6, **characterised** in that the gearbox (19) is
situated close to a rear axle (20) of the vehicle.

- ~~8. Motor vehicle according to any one of the foregoing claims, characterised in that the guide arrangement (11) includes a bottom plate (15) situated under the engine (8).~~
- 5 9. Motor vehicle according to any one of the foregoing claims, characterised in that the guide arrangement (11) includes a lower portion (14) of the driver's cab of the vehicle.
- 10 10. Motor vehicle according to any one of the foregoing claims, characterised in that in the forward part of the vehicle there are air vents (10) which are designed to discharge part of the air quantity drawn into the vehicle, after it has passed the vehicle's radiator (9), and hence to limit the air quantity supplied to the guide arrangement (11).